



Faculty of engineering - Shoubra
Benha University

Research Article / Research Project / Literature Review

in fulfillment of the requirements of

Department	Engineering Mathematics and Physics
Division	-----
Academic Year	2019-2020 Preparatory
Course name	Computer
Course code	ECE001

topic: -

Programming Languages

By:

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Approved by:

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Dr. Shady Elmashad	
Dr. Abdelhamid Attaby	



Github link: <https://github.com/Youstina-boshra/html-project>

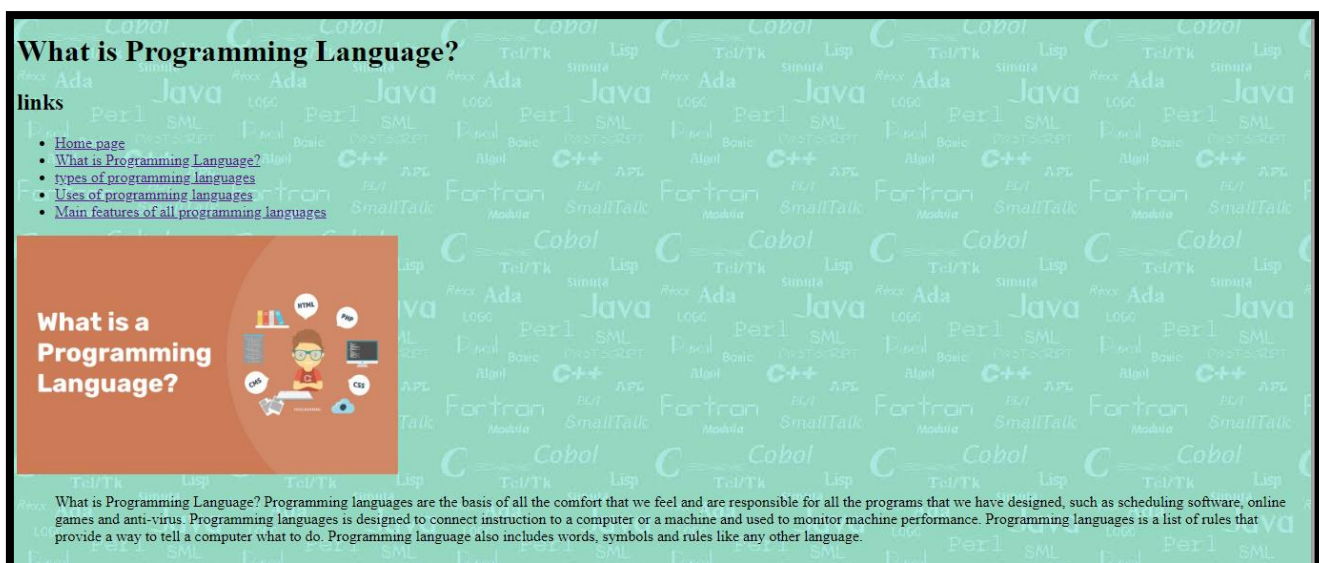
Github page: <https://youstina-boshra.github.io/html-project/>

Screenshots of the report:

1- home page



2- P1





3- P2

Types of programming languages

links

- [Home page](#)
- [What is Programming Language?](#)
- [types of programming languages](#)
- [Uses of programming languages](#)
- [Main features of all programming languages](#)

Some types of programming languages:

- **c Language**
It is considered as the oldest programming languages and still popular and it is the roots of many popular languages like Java, PHP.
- **c++ Language**
It is created in order to add additional features to c. It is commonly used as the main language for many operating systems, browsers, and games.
- **c# Language**
It is known as C-sharp and similar to Java programming language and uses in mobile applications and games.
- **PHP Language**
It is considered as an open source for web development and works well with databases and used by Facebook and Yahoo.
- **JAVA Language**
It is widely used by companies like Netflix and Twitter and used to create mobile and web applications and games.

4- P3

uses of programming languages

links

- [Home page](#)
- [What is Programming Language?](#)
- [types of programming languages](#)
- [Uses of programming languages](#)
- [Main features of all programming languages](#)

programming languages	uses
Python	it is used by software engineers and back-end Web developers and it is suitable for scientific computing such as artificial intelligence applications.
Java	It is used in Mobile Applications, Web-based Applications , Scientific Applications and Gaming Applications.
HTML	It is widely used in Web Development. HTML is the code that serves as the basis of Web pages, enabling people to create and structure electronic documents for online viewing.
C++	is used by developers and system analysts. Programmers use C programming languages to create applications that are integrated with the operating system
PHP	Programmers use C++ for creating games, graphics, and office applications It is used to develop static and dynamic websites and web applications



5- P4

Main features of all programming languages

links

- [Home page](#)
- [What is Programming Language?](#)
- [types of programming languages](#)
- [Uses of programming languages](#)
- [Main features of all programming languages](#)

Main features of all programming languages;

- simplicity
- naturality
- efficiency
- abstraction

So we will talk about some features of some programming languages

programming languages	The features
C++ :	simple, popular, high level programming language, speed
C:	fast and efficient, modularity, statically type, middle level programming language and easy to extend.
Java:	simple, secure, dynamic, high performance, distributed and robust
Python:	easy, free and open-source, high-level programming language, expressive, portable and dynamically typed.

Source code:

```
index.html | p1.html | p2.html | p3.html | p4.html
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>programming languages
5  </title>
6  </head>
7  <body>
8  <h1>programming languages
9  </h1>
10 <h2>links</h2>
11 <ul>
12 <li><a href="index.html">Home page</a></li>
13 <li><a href="p1.html">What is Programming Language?</a></li>
14 <li><a href="p2.html">types of programming languages</a></li>
15 <li><a href="p3.html">Uses of programming languages</a></li>
16 <li><a href="p4.html">Main features of all programming languages</a></li>
17 </ul>
18 <style>
19 body {
20   background-image: url('https://encrypted-tbn0.gstatic.com/images?q=tbn%3AANd9GcQ9gm1ERFZA5v2ORvnK7ce2DsJhqe16rZtBNar-YoDiRDtNWJv&usqp=CAU');
21 }
22 </style>
23 <ul>
24   There are number of programming languages. But each language has its own pros and cons. programming languages used to control the performance of
25   So we will talk about:
26
27   <li>What is the programming language? </li>
28   <li>Types and Uses of programming Language.</li>
29   <li>Differences between programming language. </li>
30 </ul>
31 </body>
32 </html>
```



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```
p1.html p2.html p3.html p4.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>programming languages
5 </title>
6 </head>
7 <body>
8   <h1>What is Programming Language?
9 </h1>
10  <h2>links</h2>
11  <ul>
12    <li><a href="index.html">Home page</a></li>
13    <li><a href="p1.html">What is Programming Language?</a></li>
14    <li><a href="p2.html">types of programming languages</a></li>
15    <li><a href="p3.html">Uses of programming languages</a></li>
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17  </ul>
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19    body {
20      background-image: url('https://encrypted-tbn0.gstatic.com/images?q=tbn%3AAND9GcQ9gm1ERFZAn5v2OEvnK7ce2DsJhqeI6rZtBNar-YcDiRDtNWJU&usqp=CAU');
21    }
22  </style>
23  
24  <ul>
25    <li>What is Programming Language?
26    Programming languages are the basis of all the comfort that we feel and are responsible for all the programs that we have designed, such as sch
27    Programming languages are designed to connect instruction to a computer or a machine and used to monitor machine performance.
28    Programming languages is a list of rules that provide a way to tell a computer what to do.
29    Programming language also includes words, symbols and rules like any other language.
30  </li>
31 </ul>
32 </body>
33 </html>
```

```
p2.html p3.html p4.html
3 <head>
4   <title>programming languages
5 </title>
6 </head>
7 <body>
8   <h1>Types of programming languages
9 </h1>
10  <h2>links</h2>
11  <ul>
12    <li><a href="index.html">Home page</a></li>
13    <li><a href="p1.html">What is Programming Language?</a></li>
14    <li><a href="p2.html">types of programming languages</a></li>
15    <li><a href="p3.html">Uses of programming languages</a></li>
16    <li><a href="p4.html">Main features of all programming languages</a></li>
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18  <style>
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21    }
22  </style>
23  <h2>Some types of programming languages:</h2>
24  <ul>
25    <li>c Language</li>
26    <li>It is considered as the oldest programming languages and still popular and
27    it is the roots of many popular languages like Java, PHP.</li>
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34    <li>It is considered as an open source for web development and works well with databases and used by Facebook and Yahoo.</li>
35    <li>JAVA Language</li>
36  </ul>
```



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```
3 <head>
4 <title>programming languages
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6 </head>
7 <body>
8 <h1>uses of programming languages
9 </h1>
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11 <ul>
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21 }
22 </style>
23 <table style="width:50%">
24 <tr>
25 <th>programming languages</th>
26 <th>uses</th>
27 </tr>
28 <tr>
29 <td>Python</td>
30 <td>it is used by software engineers and back-end Web developers and it is suitable for scientific computing such as artificial intelligence applications.</td>
31 </tr>
32 <tr>
33 <td>Java</td>
34 <td>It is used in Mobile Applications, Web-based Applications ,
35 Scientific Applications and Gaming Applications.</td>
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37 <tr>
38 <td>HTML</td>
39 <td>It is widely used in Web Development. HTML is the code that serves as the basis of Web pages, enabling people to create and structure electronic documents for online viewing.</td>
40 </tr>
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42 <td>C</td>
43 <td>is used by developers and system analysts. Programmers use C programming languages to create applications that are integrated with the operating system</td>
44 </tr>
```

```
7 <body>
8 <h1>Top 10 programming languages
9 </h1>
10 <h2>links</h2>
11 <ul>
12 <li><a href="index.html">Home page</a></li>
13 <li><a href="p1.html">What is Programming Language?</a></li>
14 <li><a href="p2.html">types of programming languages</a></li>
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21 }
22 </style>
23 Main features of all programming languages:
24 <li>simplicity</li>
25 <li>naturality</li>
26 <li>efficiency</li>
27 <li>abstraction</li>
28 So we will talk about some features of some programming languages
29 <table style="width:50%">
30 <tr>
31 <th>programming languages</th>
32 <th>The features</th>
33 </tr>
34 <tr>
35 <td>C++ : </td>
36 <td>simple, popular, high level programming language, speed</td>
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49 </td>
50 </tr>
```



Brief profile about the subject

- **Why we chose programming languages to talk about?**

Programming languages have an effective role in our lives.

We can't believe our lives without technology and technology is based on programming languages as we use it in our daily lives and it has changed our world.

Programming language is considered as a formal language which consists of a list of rules which produces various types of outputs.

We use programming languages to apply algorithms.

Here are some benefits and applications of the usage of programming languages:

Some programming languages are used to create programs or to provide an explanation for data.

Programmers use programming languages to communicate with computers, and because each language is different, every language has special usage and features.

You can inform the pc what to do in a human readable way.

The programmer allows the instructions to be structured into functions, procedures.

Every language of programming languages makes some programs easy to express and others not, it depends on whether the language is suitable to the problem or not.

Computers become useless without programs.

We create computer programs by using programming languages.

There are important skills required to become a programmer such as programming, writing, critical thinking, mathematics, computers and electronics.

Each language has its own features and its own applications.



There are many applications of programming languages web development mobile development and game development.

- C programming language:

It can be used in computer design, Browser design, it can be used in designing medical applications, it can be used in mobile and computer games.



- C++ programming language:

It is used in developing the applications which based on the graphics, it is used for developing games, it is used to develop database software Java Programming languages, mobile application, web-based applications, scientific applications, gaming applications, big data technologies and business applications.



- Python programming languages:

It is used in developing applications and applications that is based on graphics and games





References

- 1- <https://www.computerhope.com/jargon/p/programming-language.htm>
- 2- <https://www.computerscience.org/resources/computer-programming-languages/>
- 3- <https://www.typesnuses.com/types-of-programming-languages-with-differences/>